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## Subject Index

### Action potential

Cardiomyocyte; Embryonic stem cell differentiation; Cardiac-specific gene expression (Maltsev, V.A. (44) 41)

### Adhesion

*Xenopus* development; Fibronectin V-region (Danker, K. (44) 155)

### Apical-basal polarity

Epithelia; EGF-like protein; *Drosophila*; Protein targeting (Wodarz, A. (44) 175)

### Brachyury curtailed

Pax-1; Pax-3; T gene; Notochord; Somite; Dorsoventral patterning; Mouse mutant; Danforth's short tail; Pintail; Truncate (Dietrich, S. (44) 189)

### Brain

Retinoic acid; *Xenopus*; *XIPOU 1* (Agarwal, V.R. (44) 167)

### Cardiac-specific gene expression

Cardiomyocyte; Embryonic stem cell differentiation; Action potential (Maltsev, V.A. (44) 41)

### Cardiomyocyte

Embryonic stem cell differentiation; Cardiac-specific gene expression; Action potential (Maltsev, V.A. (44) 41)

### Cell interaction

*Drosophila*; *fused*; Protein kinase; Segment polarity gene (Therond, P. (44) 65)

### Cellular automaton

Differentiation process; Hypha; Experimental condition; Computer simulation; *Neurospora crassa*; Cyclic AMP; Morphogen (Deutsch, A. (44) 17)

### Central nervous system

Prox 1; *Prospero*; *Drosophila*; Eye; Homeobox gene; Neuroblast; Pancreas; Muscle (Oliver, G. (44) 3)

### Computer simulation

Differentiation process; Hypha; Experimental condition; Cellular automaton; *Neurospora crassa*; Cyclic AMP; Morphogen (Deutsch, A. (44) 17)

### Cyclic AMP

Differentiation process; Hypha; Experimental condition; Computer simulation; Cellular automaton; *Neurospora crassa*; Morphogen (Deutsch, A. (44) 17)

### Danforth's short tail

Pax-1; Pax-3; T gene; Notochord; Somite; Dorsoventral patterning; Mouse mutant; Brachyury curtailed; Pintail; Truncate (Dietrich, S. (44) 189)

### Differentiation process

Hypha; Experimental condition; Computer simulation; Cellular automaton; *Neurospora crassa*; Cyclic AMP; Morphogen (Deutsch, A. (44) 17)

### *D. melanogaster*

20-Hydroxyecdysone; Ecdysone response element; Larval fat body (Laval, M. (44) 123)

### Dorsal lip

Floor plate; HNF-3 $\alpha$ ; HNF-3 $\beta$ ; Node; Notochord; Organizer (Ruiz i Altaba, A. (44) 91)

### Dorsoventral patterning

Pax-1; Pax-3; T gene; Notochord; Somite; Mouse mutant; Brachyury curtailed; Danforth's short tail; Pintail; Truncate (Dietrich, S. (44) 189)

### *Drosophila*

Prox 1; *Prospero*; Central nervous system; Eye; Homeobox gene; Neuroblast; Pancreas; Muscle (Oliver, G. (44) 3)

Cell interaction; *fused*; Protein kinase; Segment polarity gene (Therond, P. (44) 65)

Mammal; Imaginal disc; Tumor suppressor; *expanded* gene; Neurofibromatosis type 2 (Boedigheimer, M. (44) 83)

Epithelia; Apical-basal polarity; EGF-like protein; Protein targeting (Wodarz, A. (44) 175)

### Ecdysone response element

20-Hydroxyecdysone; *D. melanogaster*; Larval fat body (Laval, M. (44) 123)

### EGF-like protein

Epithelia; Apical-basal polarity; *Drosophila*; Protein targeting (Wodarz, A. (44) 175)

### Embryonic stem cell differentiation

Cardiomyocyte; Cardiac-specific gene expression; Action potential (Maltsev, V.A. (44) 41)

### Epithelia

Apical-basal polarity; EGF-like protein; *Drosophila*; Protein targeting (Wodarz, A. (44) 175)

### *expanded* gene

*Drosophila*; Mammal; Imaginal disc; Tumor suppressor; Neurofibromatosis type 2 (Boedigheimer, M. (44) 83)

### Experimental condition

Differentiation process; Hypha; Computer simulation; Cellular automaton; *Neurospora crassa*; Cyclic AMP; Morphogen (Deutsch, A. (44) 17)

### Eye

Prox 1; *Prospero*; Central nervous system; *Drosophila*; Homeobox gene; Neuroblast; Pancreas; Muscle (Oliver, G. (44) 3)

### Fibronectin V-region

*Xenopus* development; adhesion (Danker, K. (44) 155)

### Floor plate

Dorsal lip; HNF-3 $\alpha$ ; HNF-3 $\beta$ ; Node; Notochord; Organizer (Ruiz i Altaba, A. (44) 91)

**fused**

Cell interaction; *Drosophila*; Protein kinase; Segment polarity gene (Therond, P. (44) 65)

**Gastrulation**

Sea urchin; Growth factor; LpS1 gene regulation; Spiculogenesis (Ramachandran, R.K. (44) 33)

**ets Gene family**

Proto-oncogene; Transcription factor; In situ hybridization (Meyer, D. (44) 109)

**Growth factor**

Sea urchin; Gastrulation; LpS1 gene regulation; Spiculogenesis (Ramachandran, R.K. (44) 33)

**HNF-3 $\alpha$** 

Dorsal lip; Floor plate; HNF-3 $\beta$ ; Node; Notochord; Organizer (Ruiz i Altaba, A. (44) 91)

**HNF-3 $\beta$** 

Dorsal lip; Floor plate; HNF-3 $\alpha$ ; Node; Notochord; Organizer (Ruiz i Altaba, A. (44) 91)

**Homeobox**

Murine homolog of *HOX 11*; In situ hybridization; *Tlx-1*; T-cell leukemia (Raju, K. (44) 51)

**Homeobox gene**

Prox 1; *Prospero*; Central nervous system; *Drosophila*; Eye; Neuroblast; Pancreas; Muscle (Oliver, G. (44) 3)

**Homeobox, Transcriptional regulation**

Retinoic acid receptor; Retinoid X receptor (Moroni, M.C. (44) 139)

**20-Hydroxyecdysone**

Ecdysone response element; *D. melanogaster*; Larval fat body (Laval, M. (44) 123)

**Hypha**

Differentiation process; Experimental condition; Computer simulation; Cellular automaton; *Neurospora crassa*; Cyclic AMP; Morphogen (Deutsch, A. (44) 17)

**Imaginal disc**

*Drosophila*; Mammal; Tumor suppressor; *expanded* gene; Neurofibromatosis type 2 (Boedigheimer, M. (44) 83)

**In situ hybridization**

Murine homolog of *HOX 11*; *Tlx-1*; Homeobox; T-cell leukemia (Raju, K. (44) 51)

Proto-oncogene; *ets* Gene family; Transcription factor (Meyer, D. (44) 109)

**Larval fat body**

20-Hydroxyecdysone; Ecdysone response element; *D. melanogaster* (Laval, M. (44) 123)

**LpS1 gene regulation**

Sea urchin; Growth factor; Gastrulation; Spiculogenesis (Ramachandran, R.K. (44) 33)

**Mammal**

*Drosophila*; Imaginal disc; Tumor suppressor; *expanded* gene; Neurofibromatosis type 2 (Boedigheimer, M. (44) 83)

**Morphogen**

Differentiation process; Hypha; Experimental condition; Computer simulation; Cellular automaton; *Neurospora crassa*; Cyclic AMP (Deutsch, A. (44) 17)

**Mouse mutant**

Pax-1; Pax-3; T gene; Notochord; Somite; Dorsoventral patterning; Brachyury curtailed; Danforth's short tail; Pintail; Truncate (Dietrich, S. (44) 189)

**Murine homolog of *HOX 11***

In situ hybridization; *Tlx-1*; Homeobox; T-cell leukemia (Raju, K. (44) 51)

**Muscle**

Prox 1; *Prospero*; Central nervous system; *Drosophila*; Eye; Homeobox gene; Neuroblast; Pancreas (Oliver, G. (44) 3)

**Neuroblast**

Prox 1; *Prospero*; Central nervous system; *Drosophila*; Eye; Homeobox gene; Pancreas; Muscle (Oliver, G. (44) 3)

**Neurofibromatosis type 2**

*Drosophila*; Mammal; Imaginal disc; Tumor suppressor; *expanded* gene (Boedigheimer, M. (44) 83)

***Neurospora crassa***

Differentiation process; Hypha; Experimental condition; Computer simulation; Cellular automaton; Cyclic AMP; Morphogen (Deutsch, A. (44) 17)

**Node**

Dorsal lip; Floor plate; HNF-3 $\alpha$ ; HNF-3 $\beta$ ; Notochord; Organizer (Ruiz i Altaba, A. (44) 91)

**Notochord**

Dorsal lip; Floor plate; HNF-3 $\alpha$ ; HNF-3 $\beta$ ; Node; Organizer (Ruiz i Altaba, A. (44) 91)

Pax-1; Pax-3; T gene; Somite; Dorsoventral patterning; Mouse mutant; Brachyury curtailed; Danforth's short tail; Pintail; Truncate (Dietrich, S. (44) 189)

**Organizer**

Dorsal lip; Floor plate; HNF-3 $\alpha$ ; HNF-3 $\beta$ ; Node; Notochord (Ruiz i Altaba, A. (44) 91)

**Pancreas**

Prox 1; *Prospero*; Central nervous system; *Drosophila*; Eye; Homeobox gene; Neuroblast; Muscle (Oliver, G. (44) 3)

**Pax-1**

Pax-3; T gene; Notochord; Somite; Dorsoventral patterning; Mouse mutant; Brachyury curtailed; Danforth's short tail; Pintail; Truncate (Dietrich, S. (44) 189)

**Pax-3**

Pax-1; T gene; Notochord; Somite; Dorsoventral patterning; Mouse mutant; Brachyury curtailed; Danforth's short tail; Pintail; Truncate (Dietrich, S. (44) 189)

**Pintail**

Pax-1; Pax-3; T gene; Notochord; Somite; Dorsoventral patterning; Mouse mutant; Brachyury curtailed; Danforth's short tail; Truncate (Dietrich, S. (44) 189)

**Prospero**

Prox 1; Central nervous system; *Drosophila*; Eye; Homeobox gene; Neuroblast; Pancreas; Muscle (Oliver, G. (44) 3)

**Protein kinase**

Cell interaction; *Drosophila*; *fused*; Segment polarity gene (Therond, P. (44) 65)

**Protein targeting**

Epithelia; Apical-basal polarity; EGF-like protein; *Drosophila* (Wodarz, A. (44) 175)

**Proto-oncogene**

*ets* Gene family; Transcription factor; In situ hybridization (Meyer, D. (44) 109)

**Prox 1**

*Prospero*; Central nervous system; *Drosophila*; Eye; Homeobox gene; Neuroblast; Pancreas; Muscle (Oliver, G. (44) 3)

**Retinoic acid**

*Xenopus*; Brain; *XIPOU 1* (Agarwal, V.R. (44) 167)

**Retinoic acid receptor**

Retinoid X receptor; Homeobox, Transcriptional regulation (Moroni, M.C. (44) 139)

**Retinoid X receptor**

Retinoic acid receptor; Homeobox, Transcriptional regulation (Moroni, M.C. (44) 139)

**Sea urchin**

Growth factor; Gastrulation; LpS1 gene regulation; Spiculogenesis (Ramachandran, R.K. (44) 33)

**Segment polarity gene**

Cell interaction; *Drosophila*; *fused*; Protein kinase (Therond, P. (44) 65)

**Somite**

Pax-1; Pax-3; T gene; Notochord; Dorsoventral patterning; Mouse mutant; Brachyury curtailed; Danforth's short tail; Pintail; Truncate (Dietrich, S. (44) 189)

**Spiculogenesis**

Sea urchin; Growth factor; Gastrulation; LpS1 gene regulation (Ramachandran, R.K. (44) 33)

**T-cell leukemia**

Murine homolog of *HOX 11*; In situ hybridization; *Tlx-1*; Homeobox (Raju, K. (44) 51)

**T gene**

Pax-1; Pax-3; Notochord; Somite; Dorsoventral patterning; Mouse mutant; Brachyury curtailed; Danforth's short tail; Pintail; Truncate (Dietrich, S. (44) 189)

**Tlx-1**

Murine homolog of *HOX 11*; In situ hybridization; Homeobox; T-cell leukemia (Raju, K. (44) 51)

**Transcription factor**

Proto-oncogene; *ets* Gene family; In situ hybridization (Meyer, D. (44) 109)

**Truncate**

Pax-1; Pax-3; T gene; Notochord; Somite; Dorsoventral patterning; Mouse mutant; Brachyury curtailed; Danforth's short tail; Pintail (Dietrich, S. (44) 189)

**Tumor suppressor**

*Drosophila*; Mammal; Imaginal disc; *expanded* gene; Neurofibromatosis type 2 (Boedigheimer, M. (44) 83)

**Xenopus**

Retinoic acid; Brain; *XIPOU 1* (Agarwal, V.R. (44) 167)

**Xenopus development**

Fibronectin V-region; adhesion (Danker, K. (44) 155)

**XIPOU 1**

Retinoic acid; *Xenopus*; Brain (Agarwal, V.R. (44) 167)